JCO3 Rec'd PCT/PTO 06 MAY 2005

PTO-1390 (Rev. 02-2005)
Approved for use through 03/31/2007. OMB 0651-0021
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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 57223(45487) DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/DK2003/000805 25 November 2003 25 November 2002 TITLE OF INVENTION PEPTIDE GAP JUNCTION MODULATORS APPLICANT(S) FOR DO/EO/US Bjarne D. Larsen et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must 3. X include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 4. х A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). х has been communicated by the International Bureau. b. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. x An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). is attached hereto. a. b. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. C. d have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. x A preliminary amendment. 14. x An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. A power of attorney and/or change of address letter. 16 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information: PCT Request; PCT Search Report; PCT/IB/308; 20. х Int'1 Preliminary Examination Report; PCT/IB 306; PCT/IB 304.

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U.S. APPLICATION OF MINISTER PT CFR 180 (1) INTERNATIONAL APPLICATION NO.						AT	ATTORNEY'S DOCKET NUMBER			
u.s. application 1534201 International application no. PCT/DK2003/000805						57223(45487)				
The following fees have been submitted							CALCULATIONS	PTO USE ONLY		
21. x Basic national fee\$300						\$	300.00			
22. x Examination fee										
If International preliminary examination report prepared by USPTO and all claims satisfy										
provisions of PCT Article 33(1)-(4)								200.00	Ì	
	ch fee				• • • • • • • • • • • • • • • • • • • •	9200	\$_	200.00		
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Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority										
International Search Report prepared and provided to the Office \$400 All other situations \$500								500.00		
All other situation	TOTAL OF 2	1. 22 and	d 23 =			\$300	\$ 500.00 \$ 1,000.00			
Additiona	I fee for specificatio	n and dra	wings f	iled in paper over	100 sheets	(excluding	Ť			
sequence	e listing or computer each additional 50 s	program	listing f	iled in an electroni	c medium).	The fee is	1			
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Total claims			_	59	×	50.00	\$	2,950.00		
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MULTIPLE DEP	ENDENT CLAIM(s) (if appli	cable)		+	360.00	\$	360.00		
			. TO	TAL OF ABOVE	CALCUL	ATIONS =	\$	4,440.00	•	
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					SUE	TOTAL =	\$	4,440.00		
	of \$130.00 for fumis	hing the E	nglish	translation later tha	an 30 month		\$.1	
from the earliest claimed priority date (37 CFR 1.492 (f)).										
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a. A check in the amount of \$ to cover the above fees										
I — HA che	sck in the amount	of \$			to cover th	ie above tees	ıs e	nciosea.		
b. X Please charge my Deposit Account No. 04-1105 in the amount of \$ 4,440.00 to cover the above fees. A duplicate copy of this sheet is enclosed.										
c. x The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any										
overpayment to Deposit Account No. 04-1105 . A duplicate copy of this sheet is enclosed.										
	•								lit card	
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.										
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b))										
must be filed and granted to restore the International Application to pending status.										
SEND ALL CORRESPONDENCE TO:										
Robert L. Bud					SIGN	ATURE:				
EDWARDS & ANGELL, LLP Rot						Rober	rt L.	Buchanan		
P.O. Box 55874 NAME										
Boston, Massachusetts 02205 (617) 439-4444							007			
CUSTOMER NUMBER: 21874 REGISTRATION N							927 BER			

Attorney Docket No.: 57223(45487)

Application No. (if known): Not Yet Assigned

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV654384282US in an envelope addressed to:

> MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

May 6, 2005

Date		:		
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		:		
		:		
Patricia Sar	ula	:		
Signature		•		
Patricia Barnes				
Typed or printed name of person	signing Certificate	!		
	(617) 439-4444			
Registration Number, if applicable Telephone Number				

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

PCT Request; PCT Search Report; PCT/IB/308; Int'l Preliminary Examination Report; PCT/IB 306; PCT/IB 304

Transmittal Letter to the United States Designated-Elected Office – 2 copies

Application Data Sheet

Fee Transmittal

Charge \$4,440.00 to deposit account 04-1105

PTO/SB/17 (12-04v2)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE d to a collection of information unless it displays a valid OMB control purples.

Onder the Paperwork Reduc	AUT ACTOR 15	55, no person are re	equired to les	Complete if Known					
Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).				Application Nun					
·					Yet Assigned currently Herewith				
FEE TRA				First Named Inventor		Bjarne D. Larsen			
For		Examiner Name		Not Yet Assign					
Applicant claims small	_	Art Unit	$\overline{}$	N/A					
TOTAL AMOUNT OF PAY	_	Attorney Docket	No.	57223(45487)					
METHOD OF PAYMEN	T (check all	that apply)	<u>'</u>						
						4.6.			
Check Credit C		Money Order	None Deposit Accou	Ш `	please iden Ec	iliy): iwards & Ange	II, LLP		
For the above-ident				· · · · · · · · · · · · · · · · · · ·	ed to: (che	ck all that anniv)			
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fee(s) under 3		e(s) or underpay 6 and 1.17	inent of	x Credit	any overp	ayments			
FEE CALCULATION									
1. BASIC FILING, SEARCH	•			OCH EEEG	EVARAIN	NATION FEED			
	riLli	NG FEES Small Entity	SEAF	RCH FEES Small Entity	EVAIAII	NATION FEES Small Entity			
Application Type	Fee (\$)	Fee (\$)	<u>Fee (\$)</u>	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)		
Utility	300	150	500	250	200	100	<u> </u>		
Design	200	100	100	50	130	65			
Plant	200	100	300	150	160	80	· · · · · · · · · · · · · · · · · · ·		
Reissue	300	150	500	250	600	300			
Provisional	200	100	0	0	0	0	1 ! .		
2. EXCESS CLAIM FEES							Fee (\$) Small Entity		
Fee Description Each claim over 20 (includi	na Daiceua	c)							
Each independent claim over	_	•					50 ; d 25 · 200 : 100		
Multiple dependent claims	or 5 (merad	ing Reissues,					360 180		
· ·	Claims	Fee (\$)	Fee Pa	id (\$)	м	ultiple Depende			
79 - 20 = 5		Fee (\$)			Fee Paid (\$)				
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Indep. Claims Extra	Claims	Fee (\$)	Fee Pa	id (\$)					
2 -3=	× .	= _							
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer									
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)									
61 - 100 = /50 (round up to a whole number) x =									
4. OTHER FEE(S)							Fees Paid (\$)		
Non-English Specification	Non-English Specification, \$130 fee (no small entity discount)								
Other (e.g., late filing su		1631 Basic Na			all oth	or	300.00		
1633 National Stage Examination Fee - all other 1632 National Stage Search Fee - all other situations							200.00 500.00		
1617 National Stage oath or declaration after thirty							130.00		
1615 National Stage claims - extra total (over twenty)							2,950.00		
1616 National Stage claims - multiple dependent 360.00									
SUBMITTED BY									
Signature				egistration No. attorney/Agent)	40,927	Telephone	(617) 439-4444		
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV654384282US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.									
Dated: May 6, 2005 Signature: Signature: (Patricia Barnes)									

10/534201 apct/PTO 06 MAY 2005

TRANSMITTAL LETTER TO THE UNITED STATES RECEIVING OFFICE

6 May 2005 PCT/DK2003/000805 International Application No. Attorney Docket No. 57223(45487)

I.	Certifica	te under 37	CFR 1.10 (if appl	icable)							_	
	EV654384282US					6 May 2005						
	Express Mail mailing number					Date of Deposit						
		errify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" der 37 CFR 1.10 on the date indicated above and is addressed to MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.										
		01	Barri		Patricia Barnes							
		Signature of	person mailing corres	pondence		Typed or pr	inted name of p					
II.	New International Application											
111.	TITLE		E GAP JUNC	TION	MODULA ⁻	ORS				Earliest priority date (Day/Month/Year)	1	
										November 25, 2002		
	SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):											
	A. X The invention disclosed was not made in the United States.											
	В.	There is a	no prior U.S. appli	cation rel	ating to this is	nvention.						
	c. x	internatio		NOTE: pr	riority to these	e applicatio				on disclosed in the attached on form PCT/RO/101 (Request))	
	applic	ation no.	USSN 60/42	28,973			filed on	Noven	nber 2	25, 2002		
	applic	ation no.					filed on					
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	applic	ation no.					filed on					
	applic	ation no.					filed on					
	D. The present international application contains additional subject matter not found in the prior U.S. application(s)											
			in paragraph C. ab		1	•	-					
	and DOES NOT ALTER MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate											
			encies under 35 U					ie ioi inspe	ection o	y the appropriate		
III.	☐ A R	esponse to a	n Invitation from	the RO/	US. The follo	owing docu	ment(s) is(are	e) enclosed	l:		=	
	A.	-	st for An Extension			-	• • • • • • • • • • • • • • • • • • • •					
	в. 🗀	A Power	of Attorney (General or Regular)									
	c.	Replacen	nent Pages									
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		pages	of the description				pages			of the abstract		
		pages	of the claims									
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IV.	AR	equest for F	Rectification unde	r PCT R	ule 91	A Pet	ition	A Sequ	ence L	isting Diskette	_	
V.	Oth	er (please sp	ecify):									
		Appl	icant			Robert L. Buchanan						
signi	person ng this is the:	Attor	mey/Agent Reg. N 27	0.		Typed rame of signer						
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